

Title (en)  
METHOD FOR PRODUCING OF CONCRETE WITH VARIABLE DENSITY.

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON BETON WECHSELNDER DICHTHE.

Title (fr)  
PROCEDE PERMETTANT DE PRODUIRE DU BETON A DENSITE VARIABLE.

Publication  
**EP 0380493 A1 19900808 (EN)**

Application  
**EP 88906208 A 19880705**

Priority  
SE 8702806 A 19870708

Abstract (en)  
[origin: US5160540A] PCT No. PCT/SE88/00369 Sec. 371 Date Jan. 8, 1990 Sec. 102(e) Date Jan. 8, 1990 PCT Filed Jul. 5, 1988 PCT Pub. No. WO89/00153 PCT Pub. Date Jan. 12, 1989. A method for producing a concrete with a controllable density, which at the density of 1200 kg/m<sup>3</sup> has a compression strength of at least 3.5 MPa and after that linearly increases to at least 19 MPa at 2,000 kg/m<sup>3</sup>, characterized in mixing a base concrete mixture mainly consisting of cement and water with a porosity mixture mainly consisting of cement, water and a foaming agent so that the foaming agent constitutes at least approximately 5% by volume of the porosity mixture, and that the resultant mixture of the base concrete mixture and the porosity mixture is moulded in a conventional manner.

Abstract (fr)  
Procédé permettant de produire un béton à densité variable, notamment dans la plage allant de 800 à 2000 kg/m<sup>3</sup>, par mélange d'une masse de béton classique avec un agent de porosité, se composant d'eau, de ciment et d'un agent moussant. Le béton fini comprend un grand nombre de pores plus petits. On peut, si désiré, conserver la résistance élevée du béton, par exemple au moins 12 MPa, pour une densité de 1600 kg/m<sup>3</sup>.

IPC 1-7  
**C04B 38/10**

IPC 8 full level  
**C04B 38/10** (2006.01)

IPC 8 main group level  
**C04B** (2006.01)

CPC (source: EP US)  
**C04B 38/10** (2013.01 - EP US)

C-Set (source: EP US)  
**C04B 38/10 + C04B 28/02 + C04B 40/0028**

Citation (search report)  
See references of WO 8900153A1

Designated contracting state (EPC)  
AT BE CH DE FR GB IT LI LU NL SE

DOCDB simple family (publication)  
**US 5160540 A 19921103**; AT E84292 T1 19930115; DE 3877362 D1 19930218; DE 3877362 T2 19930506; EP 0380493 A1 19900808; EP 0380493 B1 19930107; NO 176601 B 19950123; NO 176601 C 19950503; NO 895224 D0 19891222; NO 895224 L 19891222; SE 460120 B 19890911; SE 8702806 D0 19870708; SE 8702806 L 19890109; WO 8900153 A1 19890112

DOCDB simple family (application)  
**US 72541491 A 19910701**; AT 88906208 T 19880705; DE 3877362 T 19880705; EP 88906208 A 19880705; NO 895224 A 19891222; SE 8702806 A 19870708; SE 8800369 W 19880705